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Product Information

NativeExtract™ Human ADRB2 Membrane Protein (Full length, Super Nanodisc)

Cat. No.: **S01YF-1023-KX324**
This product is for research use only and is not intended for diagnostic use.

This product is recombinant Human ADRB2 protein in native nanodisc form. The synthetic compound we developed can solubilize the ADRB2 protein from membrane while retaining the native structure.

Product Specifications

Host Species
Human

Target Protein
ADRB2

Protein Length
Full length

Molecular Weight
46.5kDa

Sequence
Accession # P07550

Product Description

Activity
Yes

Application
ELISA; SPR Binding Assays; Phage Display Screening; Immunity; Functional Assays

Expression Systems
HEK293 expression system

Tag
Flag tag at the C-terminus

Protein Format
Native Nanodisc

Form
Liquid

Buffer

20 mM Tris-HCl, 150 mM NaCl, pH 8.0

Storage

The product should be stored at -20°C to -80°C.

Target

Target Protein

ADRB2

Full Name

Adrenoceptor beta 2

Introduction

This gene encodes beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This receptor is also a transcription regulator of the alpha-synuclein gene, and together, both genes are believed to be associated with risk of Parkinson's Disease. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity, type 2 diabetes and cardiovascular disease.

Alternative Names

BAR; B2AR; ADRBR; ADRB2R; BETA2AR; adrenergic, beta-2-, receptor, surface; adrenoceptor beta 2 surface; beta-2 adrenoceptor; beta-2 adrenoreceptor; catecholamine receptor; ADRB2; Adrenoceptor beta 2

Gene ID

154

UniProt ID

P07550

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